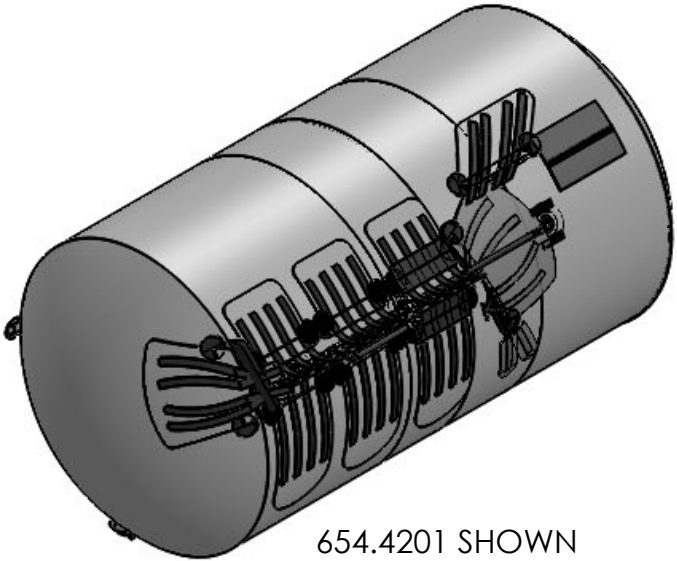


THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF APICAL INDUSTRIES DBA DART AEROSPACE. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF APICAL INDUSTRIES DBA DART AEROSPACE IS PROHIBITED.

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
	PREVIOUS PROTOTYPE REVISION : PR2		T.CROSS
N/C	INITIAL RELEASE	2020-SEP-03	T.CROSS
A	INCORPORATED ECN 06705	2021-MAY-27	P.BRAVO73

NOTES

1. UNLESS OTHERWISE NOTED TOLERANCES PER MPP-54
2. IDENTIFY IAW MPP-120, MARK FLOAT PER DETAIL G WITH F/N 51
- 3 MATERIAL: P/N 600.0065, SEE SPEC AMS-028
- 4 VENDOR: MIRADA RESEARCH AND MANUFACTURING INC
- 5 MATERIAL: P/N 600.0025, SEE SPEC AMS-21 REV C
6. TEST IAW DART AEROSPACE DOCUMENT DA139ATP-11
7. BOND A/R WITH F/N 27, P/N 600.0901, MATERIAL: LA 4009 UNLESS OTHERWISE NOTED
8. TORQUE ALL HOSE FITTING TO 120 TO 140 IN-LBS.
- 9 GRASP LINE, F/N 32, MUST HAVE ONE FULL TWIST.
- 10 PLACE GRASP LINE, F/N 32 ALONG SEAMLINE , APPROXIMATELY AS SHOWN. LINE SHOULD BE SEMI-TAUT WITH ENOUGH SLACK TO GRAB.
- 11 PLACE F/N 39, SHRINK TUBING OVER HOSE FITTING, COVERING ALL METALLIC PARTS.
- 12 BOND PANEL ON TOP OF INSTALLED GIRT, USING F/N 27 ADHESIVE.
- 13 INSTALL F/N 46 TO F/N 45 OVER TOP OF F/N 14
- 14 INSTALL F/N 45 ON TOP OF F/N 40 OR F/N 41
- 15 BOND FWD GRASP LINE ON TOP OF AFT GRASP LINE
- 16 HOT AIR-WELD IAW MPP-57
- 17 DELETED
- 18 MATERIAL: P/N 600.0110, SEE SPEC AMS-014A REV. A



654.4201 SHOWN
654.4202 OPPOSITE

A/R	A/R			51	600.0912	INK	MIL-L-6903B	
		1	1	50	654.4219	FWD SIDE HINGE TAPE	5	
		11.5 FT	11.5 FT	49		4" TAPE	3	
		1	1	48	654.4218	UPPER DEFLECTION HINGE TAPE	3	
		1	1	47	654.4217	ENDCAP GIRT HINGE TAPE	3	
		1	1	46	650.5712	INLET COVER ASSY		
		7.5 IN	7.5 IN	45	600.0403	1 " VELCRO LOOP		MIL-F-21840
		2	2	44	654.4216	WEBBING PROTECTIVE PANEL	5	
		1	1	43	648.3303	FWD FLOAT FWD GIRT		
		1	1	42	651.0301	HEAT RESISTANT PATCH ASSY		
		1		41	648.3366	RH FWD SIDE PANEL		
			1	40	648.3365	LH FWD SIDE PANEL		
		1.8 FT	1.8 FT	39	601.1493	SHRINK TUBING (BLACK)		M23053/5-108-O
		1		38	648.3372	RH FWD DEFLECTION GIRT		
.4204	.4203	.4202	.4201					
QTY				FIND #	PART #	DESCRIPTION	MAT'L	SPEC

		1		37	648.3376	RH FWD SIDE GIRT		
		1		36	648.3374	RH ENDCAP GIRT		
		1		35	602.3418	HOSE ASSY		
		1	1	34	602.3416	HOSE ASSY		
		1	1	33	647.0910	-8 INLET CHECK VALVE (.219)		
		2	2	32	650.4409	GRASP LINE		
		1	1	31	602.3405	HOSE ASSY		
		1	1	30	602.3404	HOSE ASSY		
			1	29	602.3401	HOSE ASSY		
		1	1	28	601.1398	UNION TEE	J8T	
A/R	A/R	A/R	A/R	27	600.0901	ADHESIVE	LA 4009	
			1	26	648.3371	LH FWD DEFLECTION GIRT		
		40	40	25	604.1211	SPLIT PATCH	5	
			1	24	648.3375	LH FWD SIDE GIRT		
			1	23	648.3373	LH ENDCAP GIRT		
	5			22	650.5711	ENDCAP RESTRAINT ASSEMBLY		
		2	2	21	648.3302	FWD FLOAT UPPER GIRT ASSEMBLY		
	4			20	654.4215	ENDCAP WITH RESTRAINTS	3	
6.5FT	6.5FT			19		1.5" TAPE	3	
3	3			18	604.1701	DIFFUSER	18	
3	3			17	600.0205	FLUSH FLANGE	B-51073 REV D	4
3	3			16	604.1313	VALVE COLLAR	3	
		1	1	15	647.1001	-8 DUAL INLET CHECK VALVE		
		1	1	14	647.0901	-8 SINGLE INLET CHECK VALVE		
3	3			13	604.1401	CHAFE GUARD	3	
3	3			12	600.0206	RECESSED FLANGE	B-51242 REV C	4
3	3			11	604.1311	VALVE COLLAR	3	
		3	3	10	601.1447	PRV/TOPPING VALVE	A-53001-S REV N/C	4
25FT	25FT			9		2" TAPE	3	
1				8	654.4213	PANEL FWD R.H.	3	
1				7	654.4212	PANEL AFT R.H.	3	
				6	DELETED			
38FT	38FT			5		1" TAPE	3	
	1			4	654.4211	PANEL FWD L.H.	3	
37FT	37FT			3		STOVE PIPE (4.50" TAPE BIAS)	3	
	1			2	654.4210	PANEL AFT L.H.	3	
8	4			1	654.4214	END CAP/BLKHD	3	
X		1			654.4204	FLOAT R.H.		
	X		1		654.4203	FLOAT L.H.		
		X			654.4202	FWD FLOAT ASSY R.H.		
			X		654.4201	FWD FLOAT ASSY L.H.		

QTY		FIND #		PART #		DESCRIPTION	MAT'L	SPEC
QTY		QTY		PARTS LIST				
NEXT ASSY (S)		654.4500		ORIGINAL DATE (MO-DA-YR)		2020-SEP-03		
				DRAWN BY		D. FAIRFIELD		
				CHECKER		Z.ALOKOZAI		
				DRAWING APPROVAL		T. CROSS 20.09.21		
				CONTRACT No.				
				UNLESS OTHERWISE SPECIFIED		DIMENSIONS ARE IN INCHES		
						TOLERANCES ARE:		
						2 PLACE DECIMALS ±.01		
						3 PLACE DECIMALS ±.005		
						ANGLES ± .5°		
						SCALE NONE		
						SHEET 1 OF 9		

DART

AEROSPACE

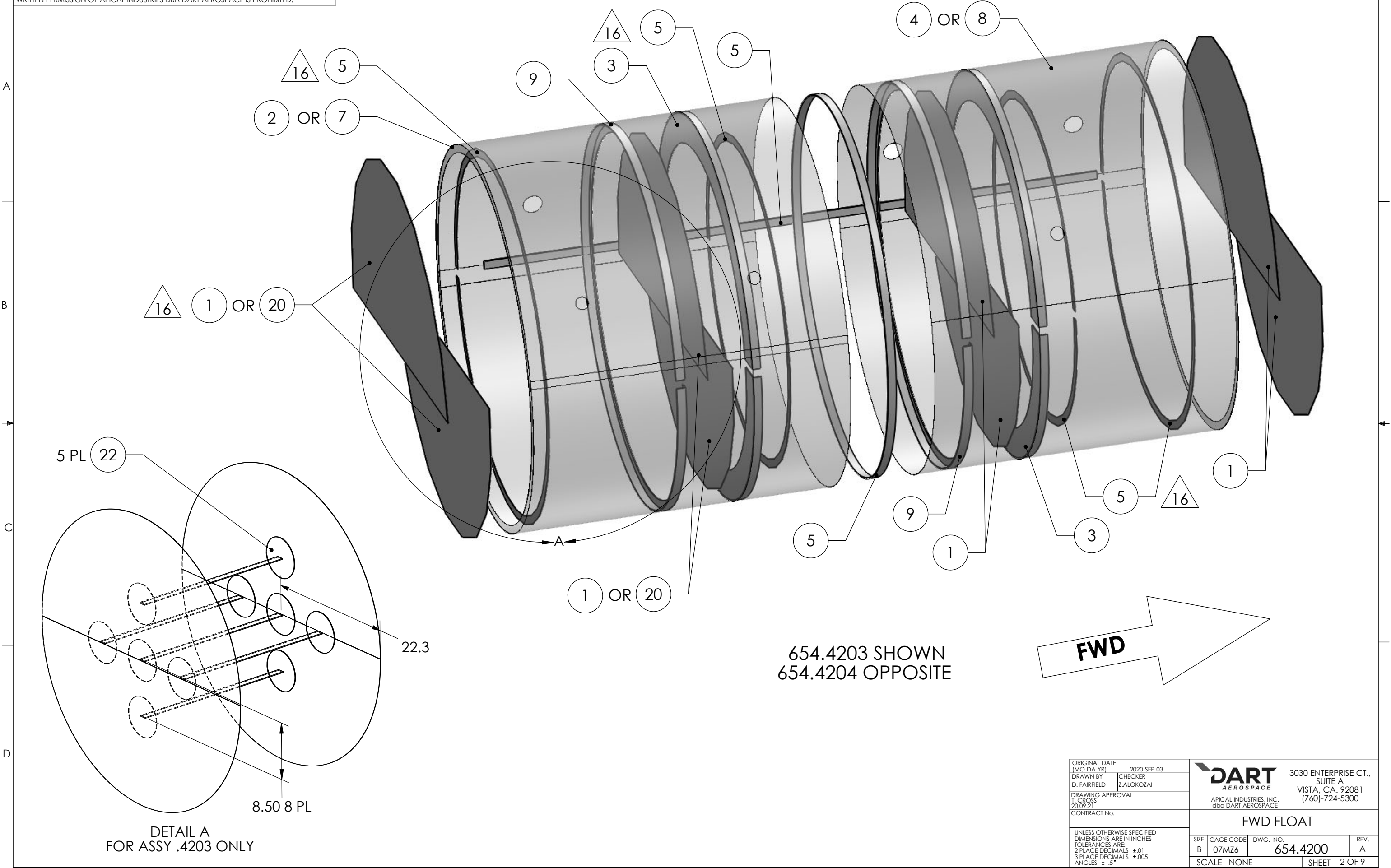
APICAL INDUSTRIES, INC.
dba DART AEROSPACE

3030 ENTERPRISE CT.,
SUITE A
VISTA, CA. 92081
(760)-724-5300

FWD FLOAT

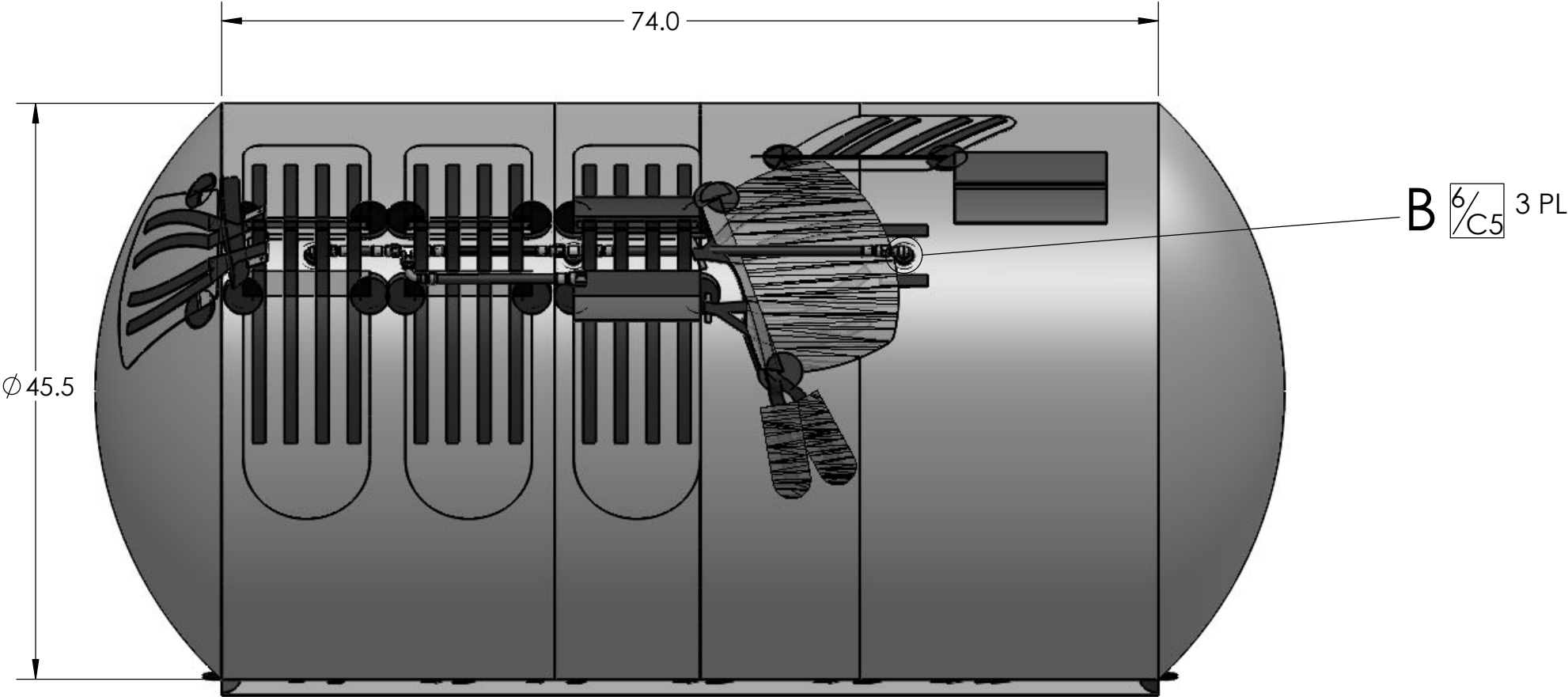
SIZE	CAGE CODE	DWG. NO.	REV.
B	07MZ6	654.4200	A

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF APICAL INDUSTRIES DBA DART AEROSPACE. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF APICAL INDUSTRIES DBA DART AEROSPACE IS PROHIBITED.




ORIGINAL DATE (MO-DA-YR) 2020-SEP-03		DART AEROSPACE		3030 ENTERPRISE CT., SUITE A VISTA, CA. 92081 (760)-724-5300	
DRAWN BY D. FAIRFIELD	CHECKER Z.ALOKOZAI				
DRAWING APPROVAL T. CROSS 20.09.21		APICAL INDUSTRIES, INC. dba DART AEROSPACE		FWD FLOAT	
CONTRACT No.		SIZE B	CAGE CODE 07MZ6	DWG. NO. 654.4200	REV. A
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ± .5°		SCALE NONE		SHEET 2 OF 9	

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF APICAL INDUSTRIES DBA DART AEROSPACE. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF APICAL INDUSTRIES DBA DART AEROSPACE IS PROHIBITED.



654.4201 SHOWN
654.4202 OPPOSITE

ORIGINAL DATE (MO-DA-YR) 2020-SEP-03		 DART AEROSPACE 3030 ENTERPRISE CT., SUITE A VISTA, CA. 92081 (760)-724-5300 APICAL INDUSTRIES, INC. dba DART AEROSPACE			
DRAWN BY D. FAIRFIELD	CHECKER Z.ALOKOZAI				
DRAWING APPROVAL T. CROSS 20.09.21					
CONTRACT No.		FWD FLOAT			
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ± .5°		SIZE B	CAGE CODE 07MZ6	DWG. NO. 654.4200	REV. A
SCALE NONE		SHEET 3 OF 9			

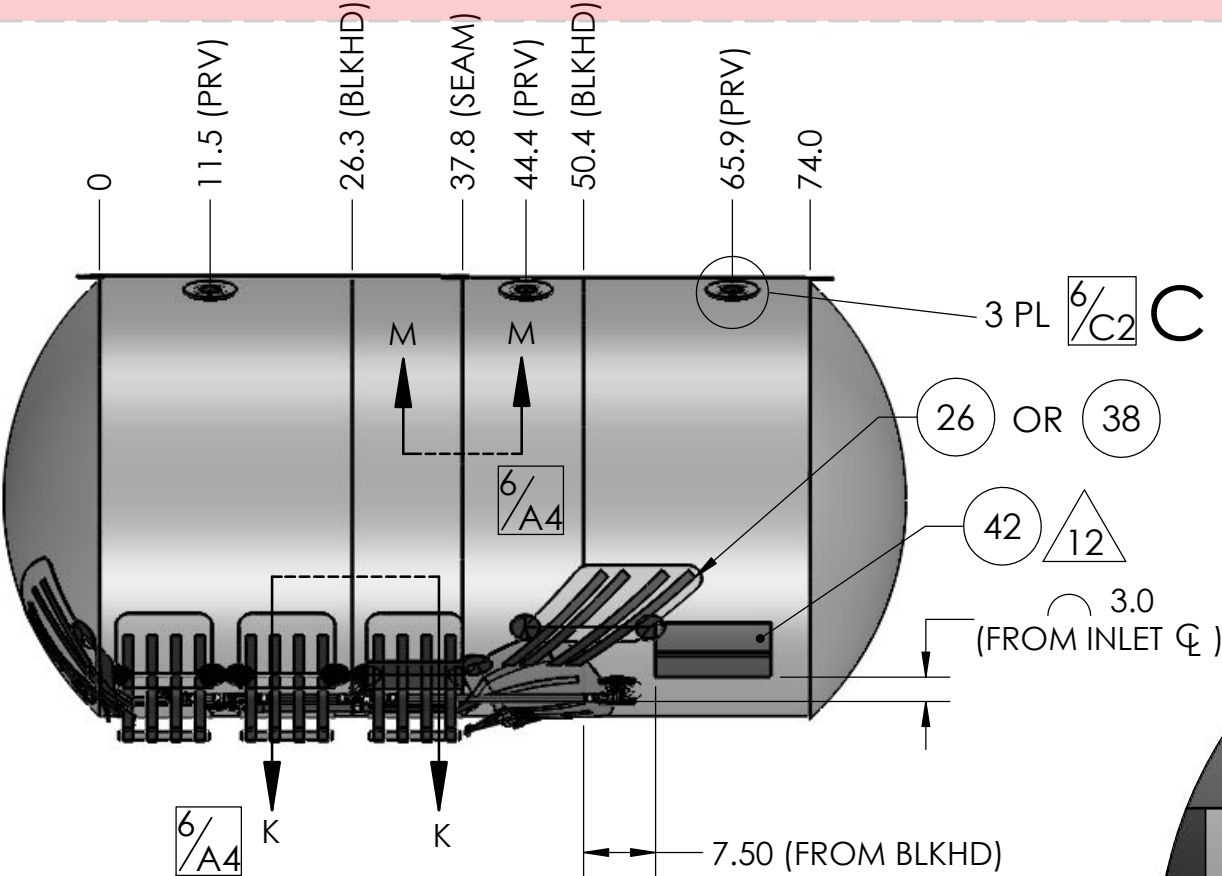
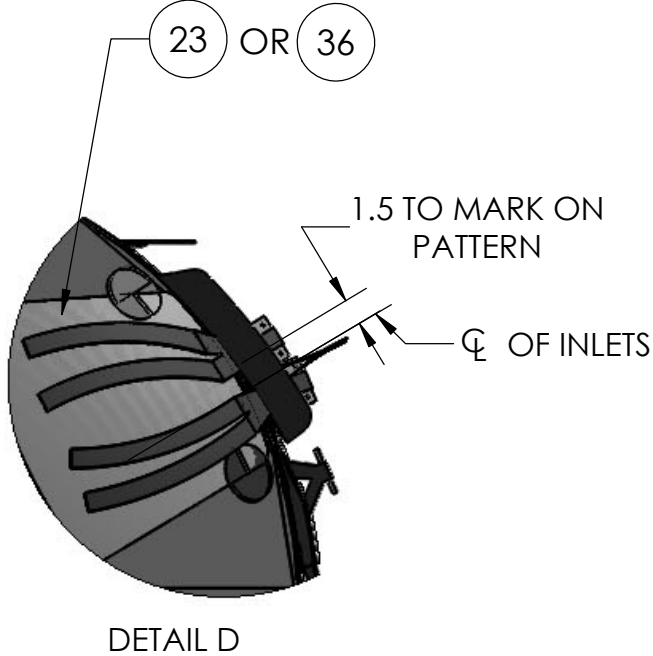
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF APICAL INDUSTRIES DBA DART AEROSPACE. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF APICAL INDUSTRIES DBA DART AEROSPACE IS PROHIBITED.

A

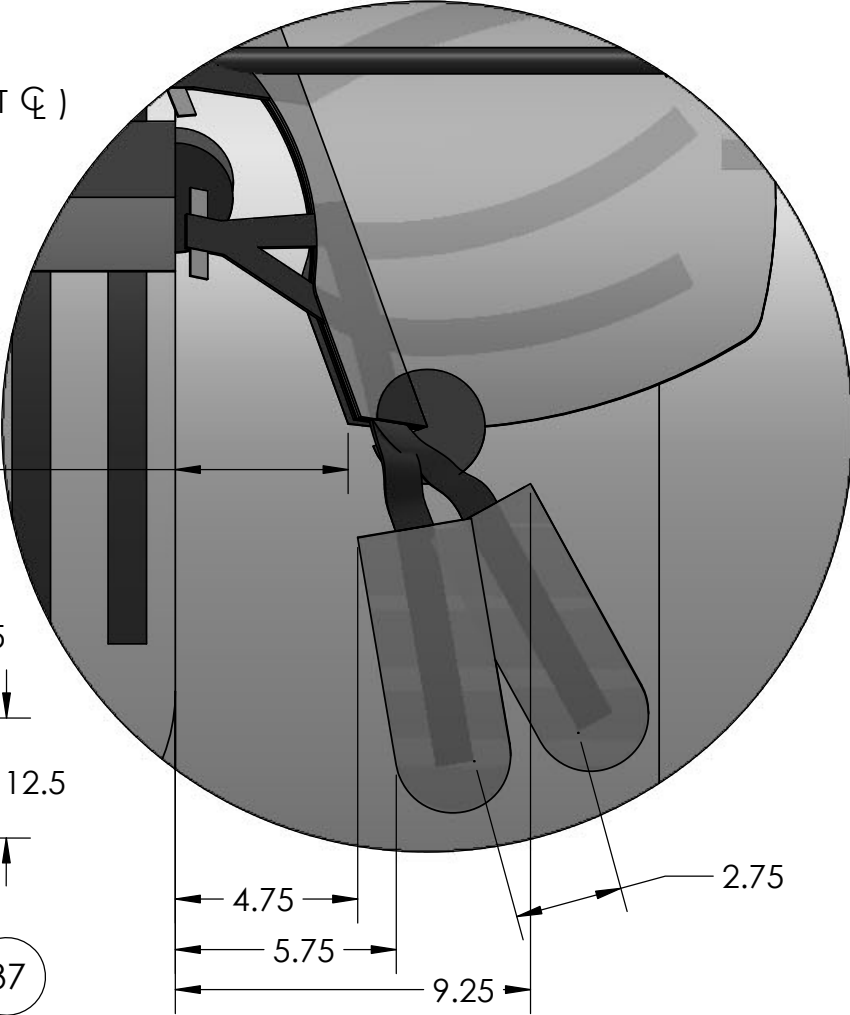
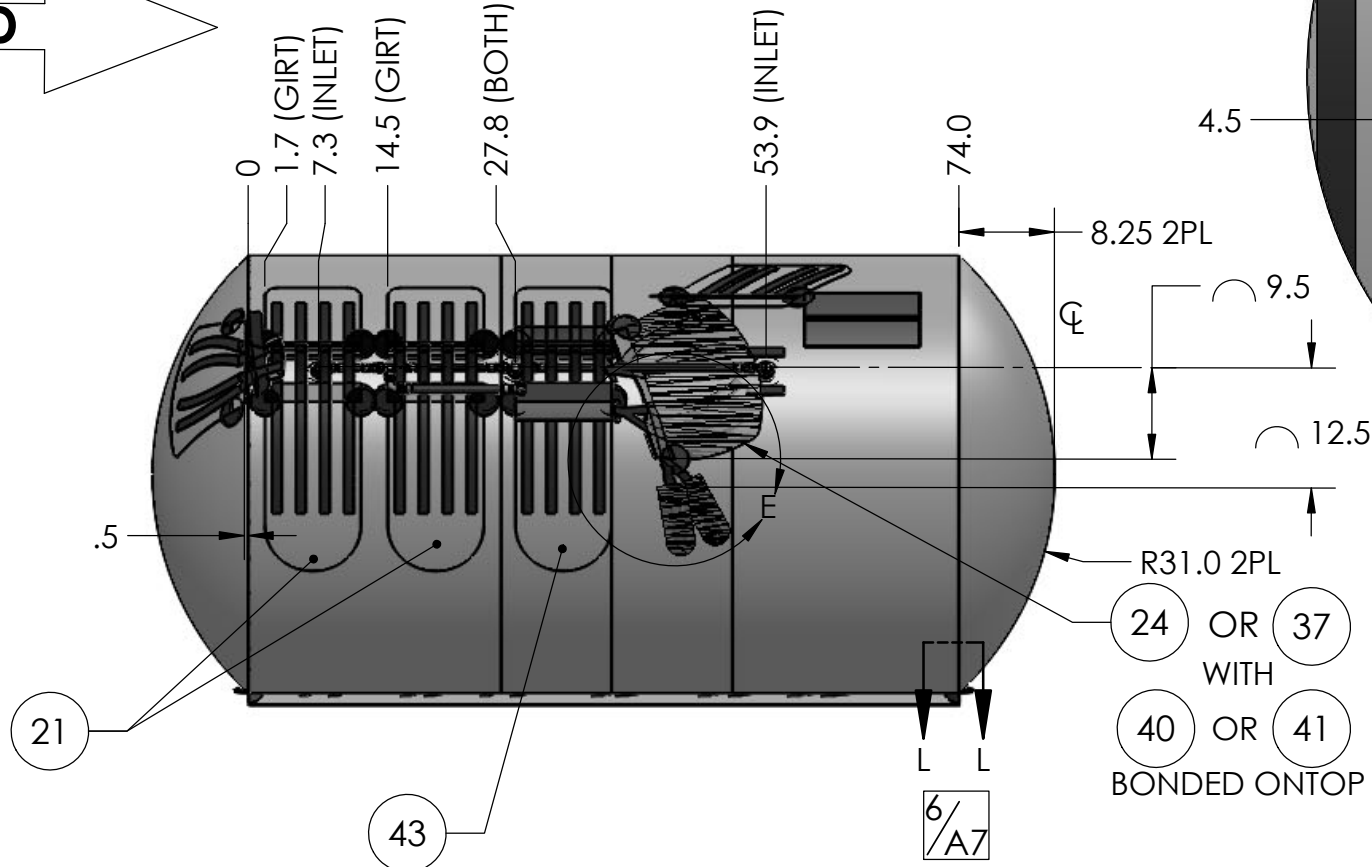
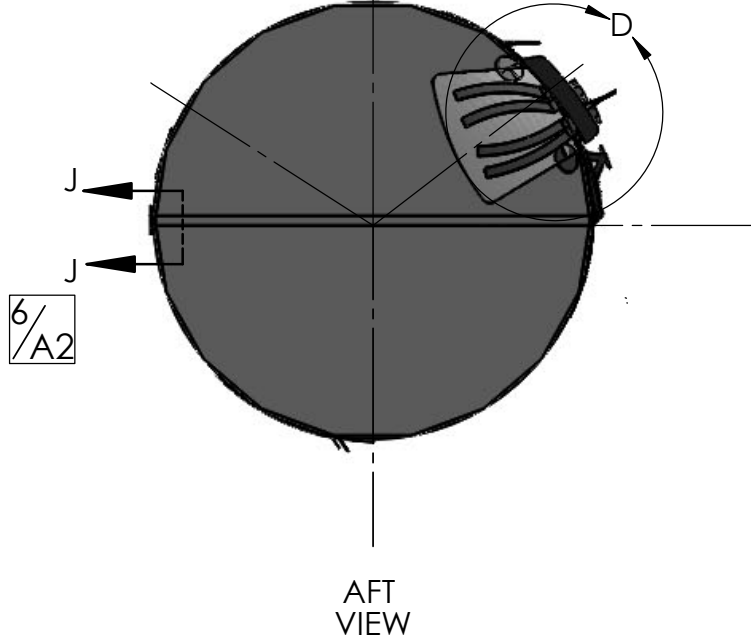
B

C

D



FWD



DETAIL E
ONE SPLITPATCH
REMOVED FOR CLARITY

654.4201 SHOWN
654.4202 OPPOSITE

ORIGINAL DATE (MO-DA-YR)	2020-SEP-03
DRAWN BY D. FAIRFIELD	CHECKER Z. ALKOZAI
DRAWING APPROVAL T. CROSS 20.09.21	
CONTRACT No.	

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
2 PLACE DECIMALS $\pm .01$
3 PLACE DECIMALS $\pm .005$
ANGLES $\pm .5^\circ$



3030 ENTERPRISE CT.,
SUITE A
VISTA, CA. 92081
(760)-724-5300

APICAL INDUSTRIES, INC.
dba DART AEROSPACE

FWD FLOAT

SIZE B	CAGE CODE 07MZ6	DWG. NO. 654.4200	REV. A
SCALE NONE		SHEET 4 OF 9	

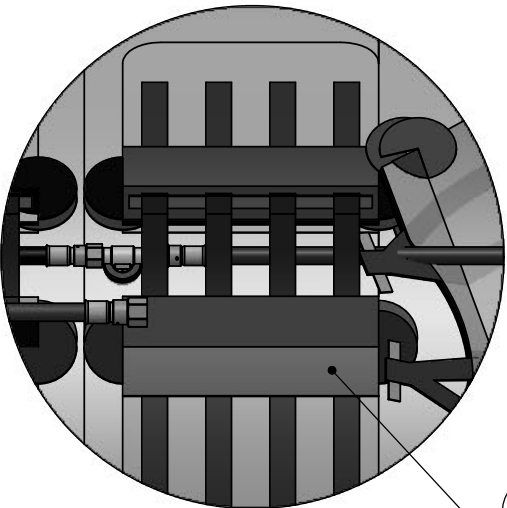
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF APICAL INDUSTRIES DBA DART AEROSPACE. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF APICAL INDUSTRIES DBA DART AEROSPACE IS PROHIBITED.

A

B

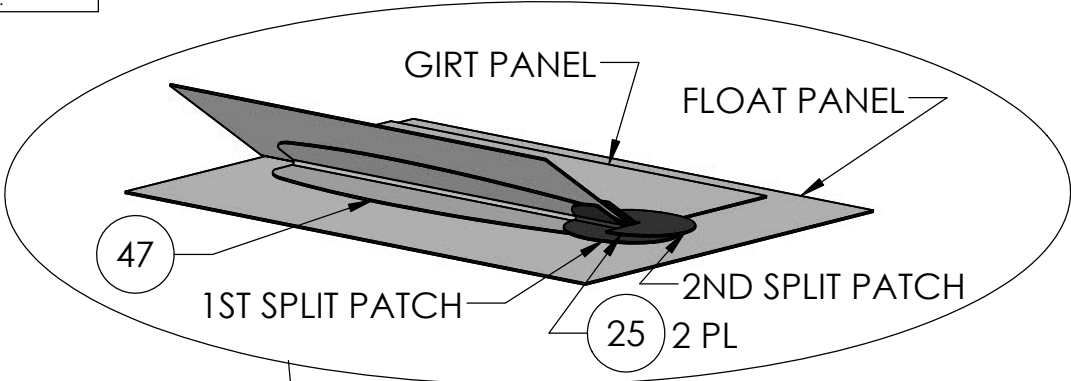
C

D



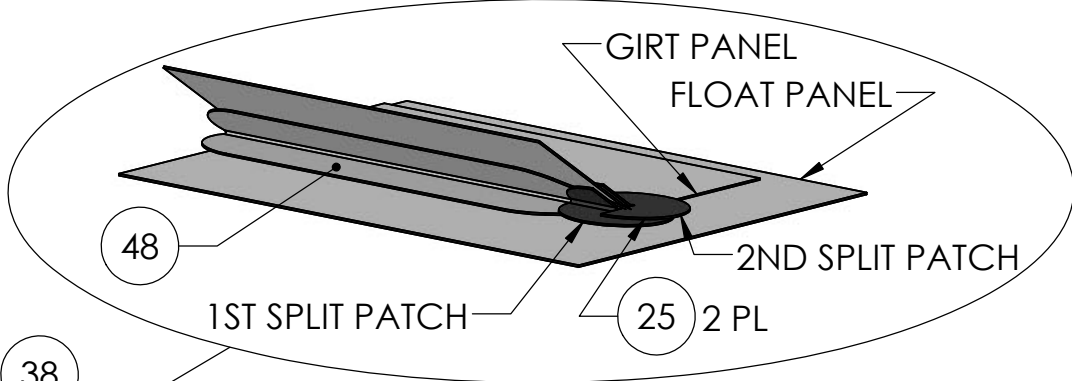
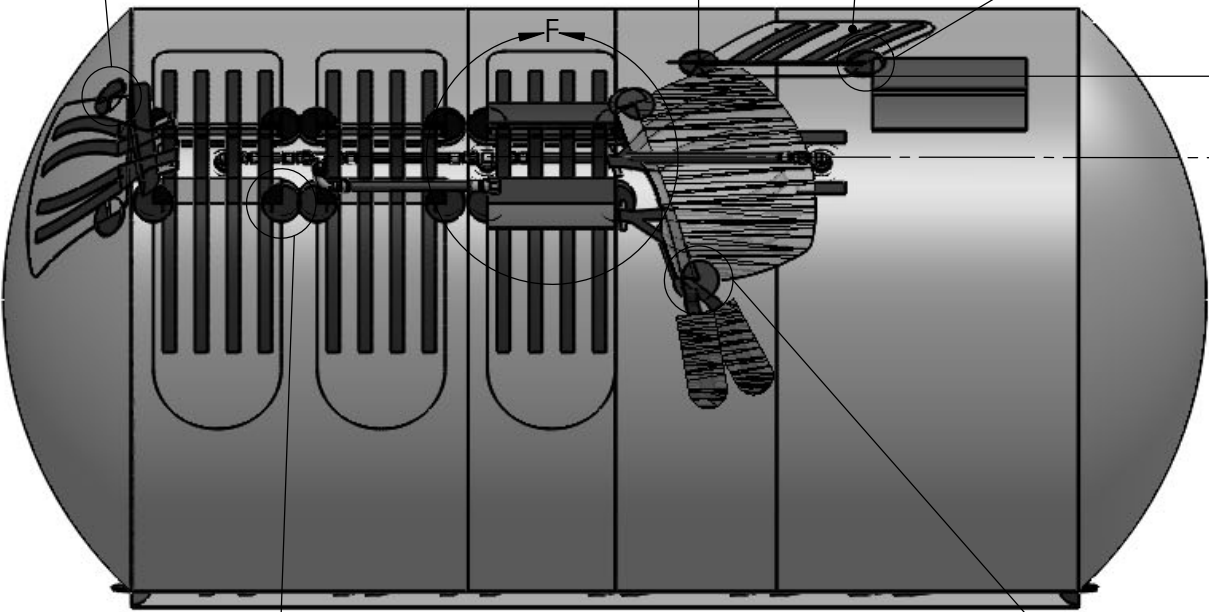
DETAIL F

44 2 PL



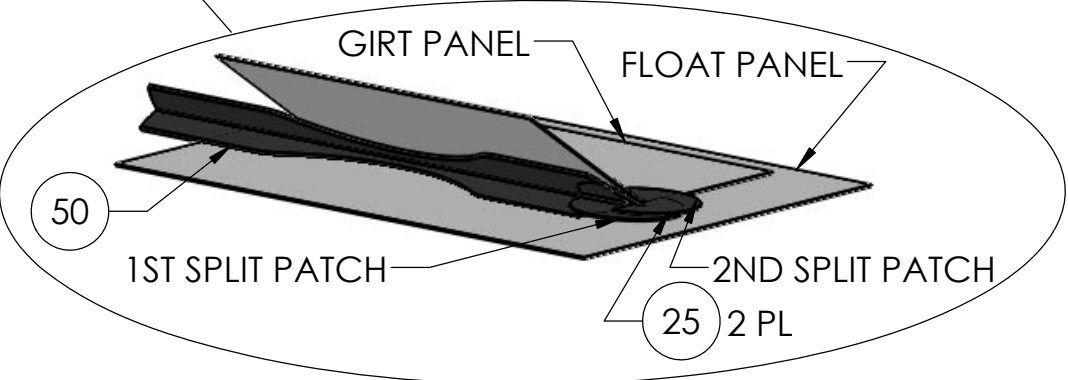
2 PL

6.75
(FROM SEAM)

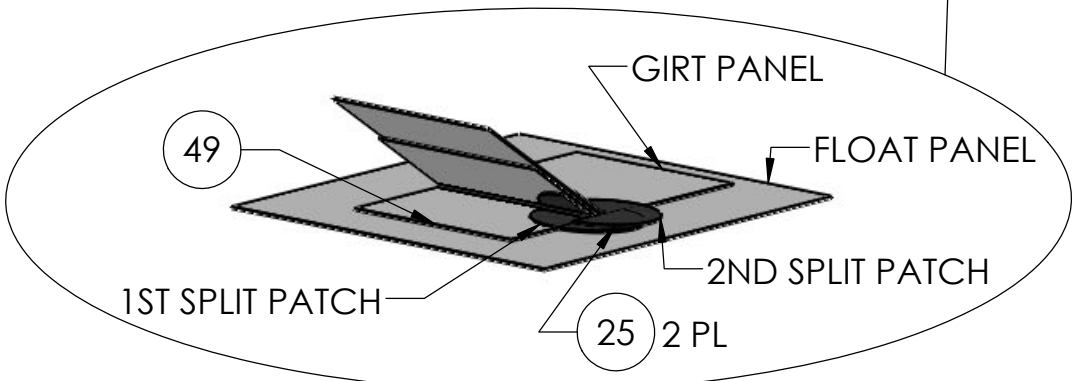


2 PL

26 OR 38



2 PL



12 PL

654.4201 SHOWN
654.4202 OPPOSITE

FWD

ORIGINAL DATE (MO-DA-YR)	2020-SEP-03
DRAWN BY D. FAIRFIELD	CHECKER Z. ALKOZAI
DRAWING APPROVAL T. CROSS 20.09.21	
CONTRACT No.	

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
2 PLACE DECIMALS ±.01
3 PLACE DECIMALS ±.005
ANGLES ±.5°



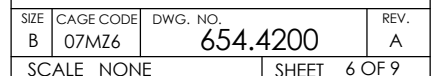
3030 ENTERPRISE CT.,
SUITE A
VISTA, CA. 92081
(760)-724-5300

APICAL INDUSTRIES, INC.
dba DART AEROSPACE

FWD FLOAT

SIZE	CAGE CODE	DWG. NO.	REV.
B	07MZ6	654.4200	A
SCALE NONE		SHEET 5 OF 9	

D



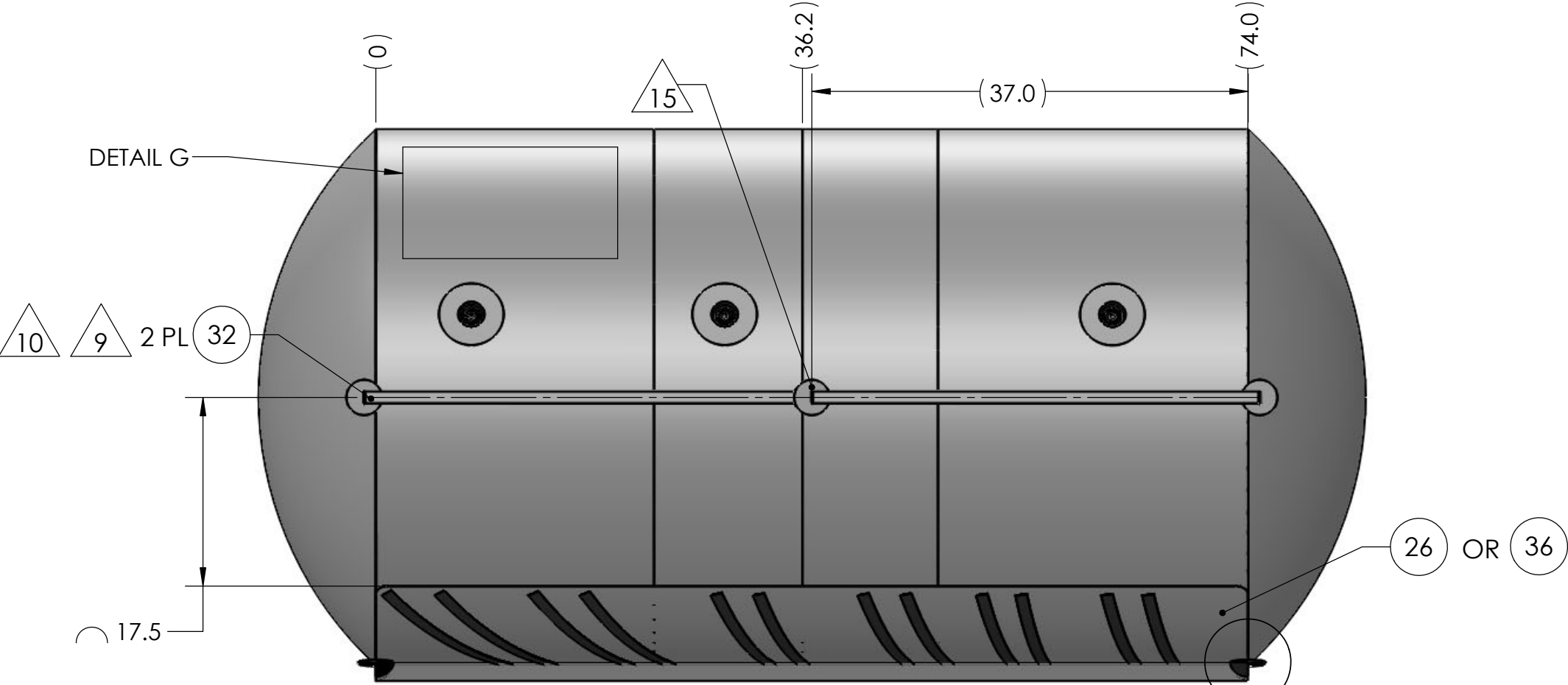
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF APICAL INDUSTRIES DBA DART AEROSPACE. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF APICAL INDUSTRIES DBA DART AEROSPACE IS PROHIBITED.

A

B

C

D



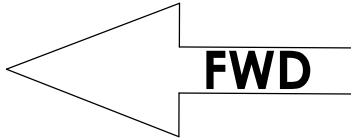
DETAIL G 17

DART
AEROSPACE
APICAL INDUSTRIES, INC.
DBA DART AEROSPACE
AW P/N 3G9560V07852
P/N 654.4201
S/N:
CON. NO.:
D.O.M.: MON-YEAR

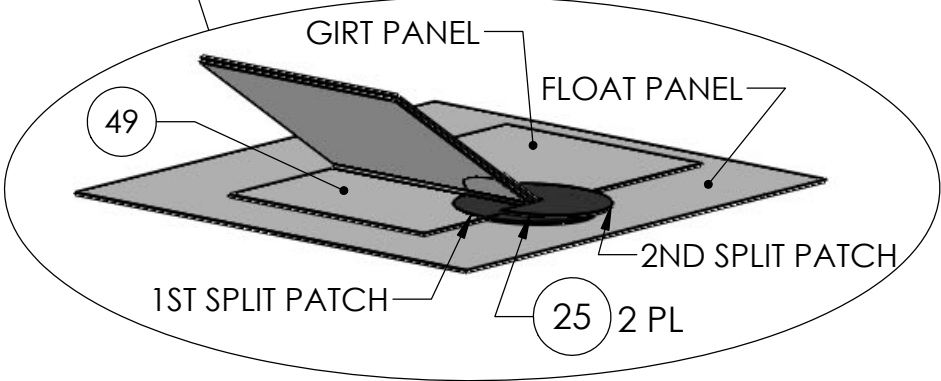
OR

DART
AEROSPACE
APICAL INDUSTRIES, INC.
DBA DART AEROSPACE
AW P/N 3G9560V07752
P/N 654.4202
S/N:
CON. NO.:
D.O.M.: MON -YEAR

1.00
TYP



654.4201 SHOWN
654.4202 OPPOSITE



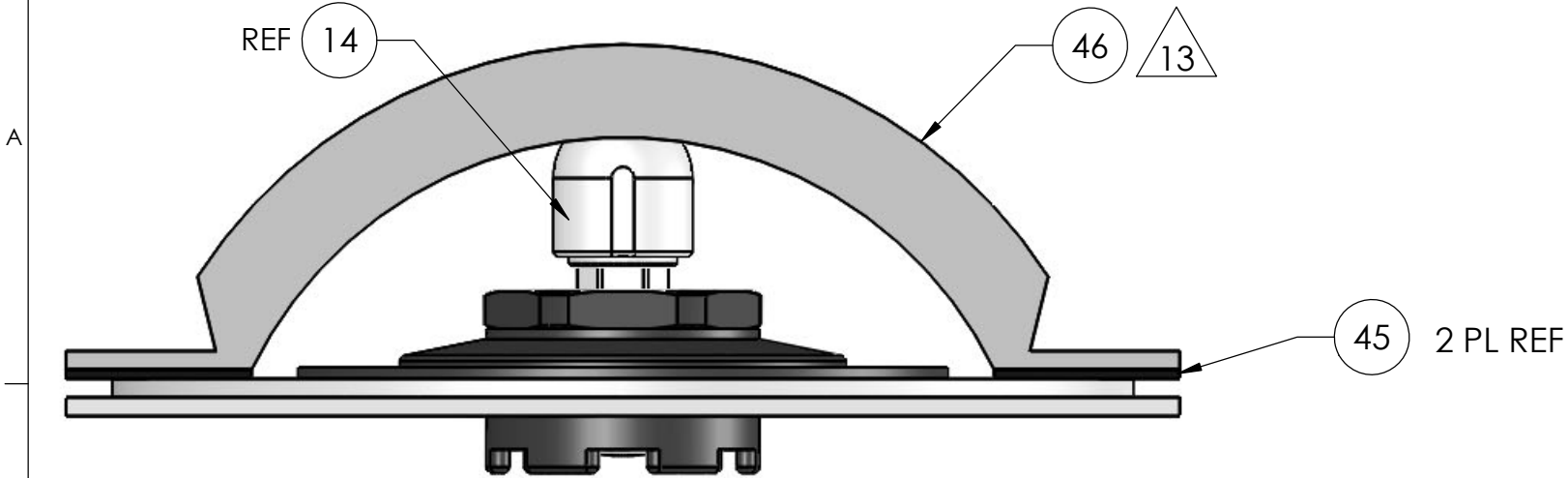
ORIGINAL DATE (MO-DA-YR)	2020-SEP-03
DRAWN BY D. FAIRFIELD	CHECKER Z.ALOKOZAI
DRAWING APPROVAL T. CROSS 20.09.21	
CONTRACT No.	

DART
AEROSPACE
APICAL INDUSTRIES, INC.
dba DART AEROSPACE
3030 ENTERPRISE CT.,
SUITE A
VISTA, CA. 92081
(760)-724-5300

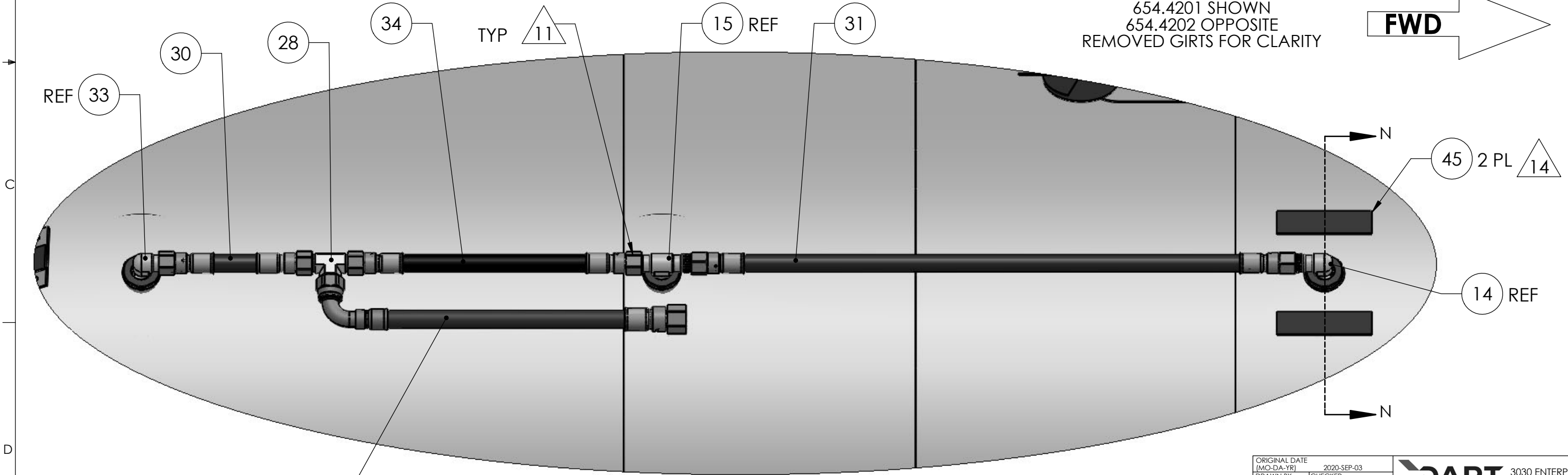
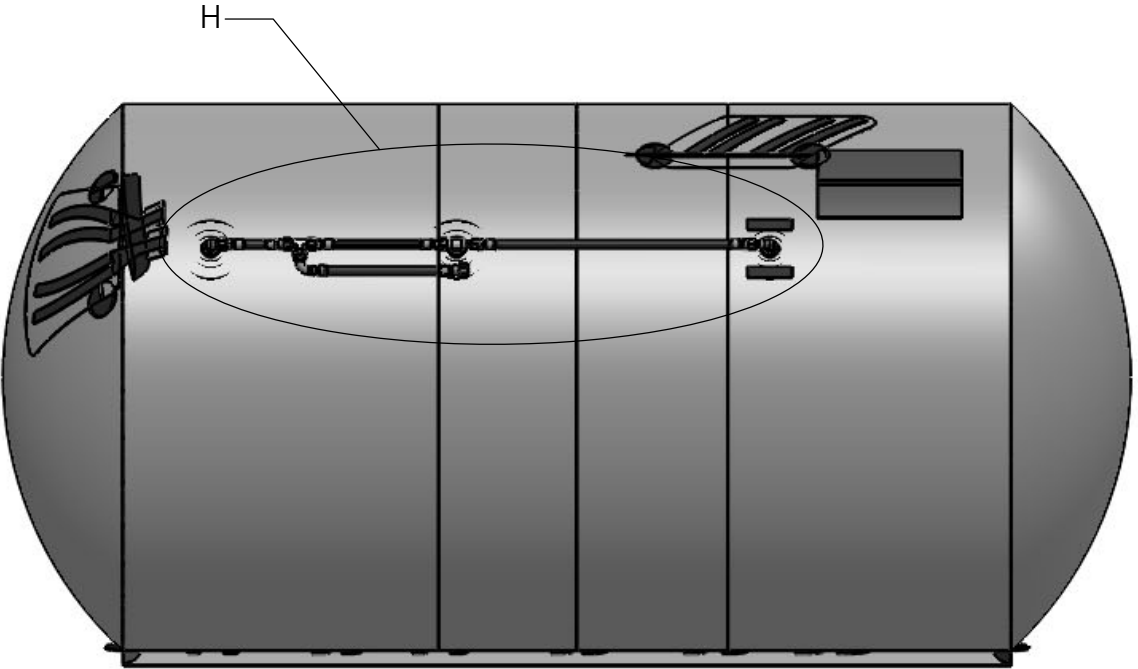
UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
2 PLACE DECIMALS ±.01
3 PLACE DECIMALS ±.005
ANGLES ± .5°

FWD FLOAT			
SIZE B	CAGE CODE 07MZ6	DWG. NO. 654.4200	REV. A
SCALE NONE		SHEET 7 OF 9	

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF APICAL INDUSTRIES DBA DART AEROSPACE. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF APICAL INDUSTRIES DBA DART AEROSPACE IS PROHIBITED.



SECTION N-N



DETAIL H

ORIGINAL DATE (MO-DA-YR)	2020-SEP-03
DRAWN BY D. FAIRFIELD	CHECKER Z. ALOKOZAI
DRAWING APPROVAL T. CROSS 20.09.21	
CONTRACT No.	

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
2 PLACE DECIMALS ±.01
3 PLACE DECIMALS ±.005
ANGLES ±.5°



3030 ENTERPRISE CT.,
SUITE A
VISTA, CA. 92081
(760)-724-5300

APICAL INDUSTRIES, INC.
dba DART AEROSPACE

FWD FLOAT			
SIZE B	CAGE CODE 07MZ6	DWG. NO. 654.4200	REV. A
SCALE NONE		SHEET 8 OF 9	

A

—

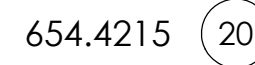
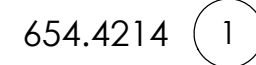
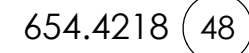
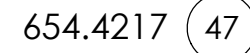
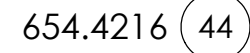
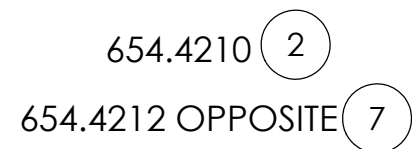
B


→

C

—

D



ORIGINAL DATE (MO-DA-YR)		2020-SEP-03		<div><div>3030 ENTERPRISE CT., SUITE A VISTA, CA. 92081 (760)-724-5300</div></div> <div>APICAL INDUSTRIES, INC. dba DART AEROSPACE</div>	
DRAWN BY D. FAIRFIELD		CHECKER Z.ALOKOZAI			
DRAWING APPROVAL T. CROSS 20.09.21					
CONTRACT No.				FWD FLOAT	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ±.5°					
SIZE B	CAGE CODE 07MZ6	DWG. NO. 654.4200		REV. A	
SCALE NONE			SHEET 9 OF 9		